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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A metal ion eluting unit, comprising: including: a plurality of electrodes; and a drive circuit that applies a voltage between the electrodes, such that the metal ion eluting unit elutes eluting metal ions from one of the electrodes serving as a positive electrode by applying the voltage between the electrodes; and the electrodes, wherein the metal ion eluting unit further comprises: -a control circuit that controls the drive circuit so that the drive circuit periodically reverses a polarity of the voltage applied between the electrodes, and, -wherein the control unit is configured to, in a period from one voltage polarity reversal to a next voltage polarity reversal, operate the drive circuitoperates, from when the polarity of the voltage applied between the electrode is reversed until a predetermined period elapses, in a first current mode in which a value of a current flowing between the electrodes equals a first value, and operates the drive circuit -and operates-thereafter in a second current mode in which a value of the current flowing between the electrodes equals a second current value which is smaller than the first current value.

2. (Previously presented) The metal ion eluting unit according to claim 1, wherein a period of the first current mode is shorter than a period of the second current

mode.

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3. (Previously presented) The metal ion eluting unit according to claim 1,

wherein the drive circuit performs constant-voltage driving during the period of the first

current mode and constant-current driving during the period of the second current mode.

4. (Previously presented) The metal ion eluting unit according to claim 1,

wherein the polarity of the voltage applied between the electrodes is periodically reversed

with a voltage application rest time inserted during every reversal.

5. (Previously presented) The metal ion eluting unit according to claim 1,

wherein transfer from the first current mode to the second current mode occurs with a

voltage application rest time inserted therebetween.

6. (Previously presented) The metal ion eluting unit according to claim 4,

wherein a short-circuit is made between the electrodes during the voltage application rest

time.

7. (Original) The metal ion eluting unit according to claim 5,

wherein a short-circuit is made between the electrodes during the voltage application rest

time.

8. (Currently Amended) The metal ion eluting unit according to claim 1, further

comprising: further comprising

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____a water quality detection portion which detects water quality of water existing between

the electrodes,

wherein the control circuit is configured to change changes at least one of the first current

value and the second current value in accordance with the water quality detected by the water

quality detection portion.

9. (Currently Amended) The metal ion eluting unit according to claim 1, <u>further</u>

comprising: further comprising

a water detection portion which detects water quality of water mediating between the

electrodes,

wherein the control circuit is configured to change changes at least one of a time ratio of

a period of the first current mode to a period of the second current mode and a polarity reversal

period of the voltage applied between the electrodes in accordance with the water quality

detected by the water quality detection portion.

10. (Previously presented) The metal ion eluting unit according to claim 8,

wherein the water quality detection portion detects at least one of water hardness, water

electric conductivity, and water chloride ion concentration.

11. (Currently Amended) The metal ion eluting unit according to claim 9, to claim 9

wherein the water quality detection portion detects at least one of water hardness, water

electric conductivity, and water chloride ion concentration.

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ions.

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(Previously presented) The metal ion eluting unit according to claim 8, 12.

wherein the water detection portion detects the water quality by detecting at least one of the voltage between the electrodes and the current flowing between the electrodes.

(Original) The metal ion eluting unit according to claim 9, 13.

wherein the water detection portion detects the water quality by detecting at least one of the voltage between the electrodes and the current flowing between the electrodes.

(Previously presented) The metal ion eluting unit according to claim 1, 14.

wherein part or all of the metal ions eluted are any of silver ions, copper ions, and zinc

(Currently Amended) An apparatus, comprising: comprising 15.

the metal ion eluting unit according to claim 1.

(Previously presented) The apparatus according to claim 15, 16.

wherein the apparatus is a washing machine.

17. (Canceled)